

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 04/922584

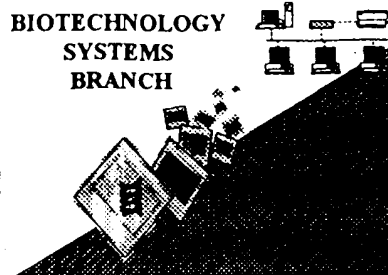
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 Skipped Sequences
 (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) ..
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped

 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 Skipped Sequences
 (NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000
- 9 Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
 In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 Invalid <213>
 Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 J Use of <220> Sequence(s) 1-2 missing the <220> "Feature" and associated numeric identifiers and responses.
 Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
 (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

02570
1217

RAW SEQUENCE LISTING **ERROR REPORT**



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/922,584
Source: OIP/E
Date Processed by STIC: 12/17/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 3.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by the treatment given to all mail coming via the Brentwood Mail Facility.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom, including:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)

2. U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202

3. Hand Carry directly to:

U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name,
1911 South Clark Street, Crystal Mall One, Sequence Information, Arlington, VA 22202

Or

U.S. Patent and Trademark Office, 2011 South Clark Place, Customer Window, Box Sequence, Crystal Plaza Two,
Lobby, Room 1B03, Arlington, Virginia 22202

4. Federal Express Delivery, 2011 South Clark Street, Crystal Plaza 2, Room 1B03-Mailroom, Box Sequence,
Arlington, VA 22202

OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/922,584

DATE: 12/17/2001

TIME: 10:37:55

Input Set : A:\ES.txt

Output Set: N:\CRF3\12172001\I922584.raw

3 <110> APPLICANT: Vertex Pharmaceuticals Incorporated
 5 <120> TITLE OF INVENTION: ERK-5 DEFICIENT ANIMALS AND METHODS OF INHIBITING
 ANGIOGENESIS THROUGH

6 THE INHIBITION OF ERK-5

8 <130> FILE REFERENCE: VPI/00-115 CON

C--> 10 <140> CURRENT APPLICATION NUMBER: US/09/922,584

C--> 11 <141> CURRENT FILING DATE: 2001-12-17

13 <150> PRIOR APPLICATION NUMBER: US09/888,182

14 <151> PRIOR FILING DATE: 2001-06-22

16 <160> NUMBER OF SEQ ID NOS: 6

18 <170> SOFTWARE: PatentIn version 3.0

20 <210> SEQ ID NO: 1

21 <211> LENGTH: 26

22 <212> TYPE: DNA

23 <213> ORGANISM: Artificial sequence

W--> 25 <220> FEATURE:

W--> 25 <223> OTHER INFORMATION:

25 <400> SEQUENCE: 1

26 cagccattcg atgtgggccc acgcta

29 <210> SEQ ID NO: 2

30 <211> LENGTH: 25

31 <212> TYPE: DNA

32 <213> ORGANISM: Artificial sequence

W--> 34 <220> FEATURE:

W--> 34 <223> OTHER INFORMATION:

34 <400> SEQUENCE: 2

35 tataacattc tcatggcgga atcgc

38 <210> SEQ ID NO: 3

39 <211> LENGTH: 802

40 <212> TYPE: DNA

41 <213> ORGANISM: Mus musculus

43 <220> FEATURE:

44 <221> NAME/KEY: misc_difference

45 <222> LOCATION: (1)..(802)

46 <223> OTHER INFORMATION: Wherein n is selected from any nucleic acid

49 <400> SEQUENCE: 3

W--> 50 cggnacctac tgtgccctat ggaggaattc agatctgtgt aaggaggatgg gccaggaggga 60

52 ggagacacag tcgggatcag cttagaagcc cagggttcagt aatactgaag ttctggcagg 120

54 gcgggtgaac ccagagtgat gcgggctgtg agtccaggac attggtaggg acagttctta 180

56 tctctcaaga gggcaagggc tggggatgtc gatcactggg aggctgatga gcatctttga 240

58 ggttttaggt tgactctcct gtacaaaagg ggaagaagaat caagaggatt tacctcttta 300

60 tggtcatgcc acctttggtt atatcataag ttcaaggcta gtctagaccc tgttccaaaa 360

W--> 62 gacaaaacan aaaaccnaaa cagcaatnta nganaaggga gagagggcnc agacngnccg 420

64 ggacagatcc aaattgtaag acaacggaca caatacattg tagtgtcaca cagcagtgctc 480

66 ctcatggcag acaactaatt attcacagaa tacctcctta aaaatagagt cttcaacata 540

68 gctttttcag tagctgttgg caaactgtag agtttgctct aaaattaacc atactggcca 600

W--> 70 atcttggtag atttgaatat ttctataaaa aaaatttttt ttgacagaaa ttangtccat 660

W--> 72 ggagaaaagt atttgtcaga aagcttgtaa aaaagtttgg ggctnggaaa aaacccgatt 720

see item 11 on Enr Summary Sheet

same enr

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/922,584

DATE: 12/17/2001

TIME: 10:37:55

Input Set : A:\ES.txt

Output Set: N:\CRF3\12172001\I922584.raw

W--> 74 cgggtgattaa gatcactcga tcttttaaaa gggacttggc tttaantncc ataatggnc 780
 W--> 76 ttcaccgggg ggcntaaact tt 802
 79 <210> SEQ ID NO: 4
 80 <211> LENGTH: 794
 81 <212> TYPE: DNA
 82 <213> ORGANISM: Mus musculus
 84 <220> FEATURE:
 85 <221> NAME/KEY: misc_difference
 86 <222> LOCATION: (1)..(794)
 87 <223> OTHER INFORMATION: Wherein n is selected from any nucleic acid
 90 <400> SEQUENCE: 4
 W--> 91 gattnaagat cccctcgatn tttnaaaagg acttggnttc aaggggaanag ngntntnncg 60
 W--> 93 ggggnnaact tgaattggga cnccggtgtt gggatcanac tccctctttn ngcctctgta 120
 W--> 95 naccagggc acccaagtag tacacatacg ttcagggaan catacacata cgtttaagaa 180
 W--> 97 aactttataa agtttgtggc cagncggtgg tggecgatgc ctttaatccc agcactgggg 240
 99 aggcagaggc aggcagatct cttgagtttt gggtttgagg ccaacctggt ctacaagagc 300
 101 aagcaagttc caggccagat aaggctacac agacatcttg tcttgaaaaa aagaaagaaa 360
 W--> 103 gaatgaaagt ttagaaaaac ctaaaacccg gtgnnnaant ccnccttcc catgntgtta 420
 105 gtccctttggg gtttcaactgt aaggccataa cctcaggaat tgggagtgc aggggacgga 480
 107 gtgccagggg gggcttctcc ctgtgatgtg aggaggctag ctaccccggt tcttcccatt 540
 109 ttcagctatg tggacttgga cctcatggag agcgacctac accagatcat tcaactcttca 600
 111 cagccgctca ccttgaaca tgtgagatac ttctgtacc agctgcttcg gggcctcaaa 660
 113 tacatgcaact ctgctcaggt catccaccgt gatcttaaac cctctaacct tctggtaaat 720
 115 gagaactgtg agtcaagat cggtgacttt ggaatggccc gtggcctctg tacttcccc 780
 117 tgcgagcac caga 794
 120 <210> SEQ ID NO: 5
 121 <211> LENGTH: 632
 122 <212> TYPE: DNA
 123 <213> ORGANISM: Mus musculus
 125 <220> FEATURE:
 126 <221> NAME/KEY: misc_difference
 127 <222> LOCATION: (1)..(632)
 128 <223> OTHER INFORMATION: Wherein n is selected from any nucleic acid
 131 <400> SEQUENCE: 5
 W--> 132 caatcacggg tntnagntca ggntcaagca tggtgccaat gntgagaggc nactccatgg 60
 134 cacagtcca cttgagcca gggatggcat ctcaacatct ggacacacag gctcactagc 120
 W--> 136 cacaggctgc ananaagntg gaacgnattg ttgncgaatg cctccngtc gtgcatgaaa 180
 138 gtcttcattc tcagccacaa tggcctcctt aatgcgctcc ctggtaaggg cttcacgggt 240
 140 caaaagcaaa gtcaaaagggt ggggcgcaat caggctcctc atcagggtca tgggtacttag 300
 W--> 142 ccagaagggg tgcgaaggca gcagcagtna gattcgggcn ctgggttcaa ntgcgaccat 360
 144 qcgctccagc agggagaggg cctggcggtc agcactggtg tatactgtct cccaaggcac 420
 146 aqgttgccct ggtggcaggc tctggatata ggctcgacc ctttcagccc ccacagcctg 480
 148 aatcacagct ggtgacggag ttcccaacac catcatgac agctgtaact ggtgcacgta 540
 150 qtttttgccg gggaagagct ggcgcgagc cagcatctca ccaaagatgc agcccacaga 600
 152 ccagaggtcg attgcctgcg gtatactcgt gc 632
 155 <210> SEQ ID NO: 6
 156 <211> LENGTH: 617
 157 <212> TYPE: DNA
 158 <213> ORGANISM: Mus musculus

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/922,584

DATE: 12/17/2001

TIME: 10:37:55

Input Set : A:\ES.txt

Output Set: N:\CRF3\12172001\I922584.raw

160 <220> FEATURE:

161 <221> NAME/KEY: misc_difference

162 <222> LOCATION: (1)..(617)

163 <223> OTHER INFORMATION: Wherein n is selected from any nucleic acid

166 <400> SEQUENCE: 6

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W--> 167 ggcaggtacc gcgttagnac cnnttatcng aacccnntgt ttntcncagn nnagcnntat      60
W--> 169 ttaaccttgn aaanagtttt tccctgaggc caagatagca natangctcn nnggagnncn      120
W--> 171 aaaaaagttt tgttctaaga ccanngaatn ggcagaatga agtggngaag gattagggag      180
W--> 173 antctggaat gacctnanta tggtagtag gaagggaaga aggatcagtt aatncagtca      240
W--> 175 caancnnntg ctaactaacg ngcctcctnt ttatgtaagc nattagcanc ngtttcnnga      300
W--> 177 ggcagttgga aattaaaatn ttgatatatg ttacacacag ggcctgcac cacagtaggg      360
W--> 179 acttnatgnn ntntgggntc cagaagagca gtgctgaagg gacctgcagc taacttgaag      420
      181 gtactctctg gtatatgcc ttttctgct cccagggcca gcaggtggcc atcaagaaga      480
      183 tacctaatagc ttttgatgtg gtgaccaatg ccaaacggac cctcagggag ctgaagatcc      540
      185 tcaaacactt caaacacgac aatatcatcg ccatcaagga catcctgaag cctactgtgc      600
      187 cctatggaga attcttc                                     617

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/922,584

DATE: 12/17/2001

TIME: 10:37:56

Input Set : A:\ES.txt

Output Set: N:\CRF3\12172001\I922584.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application Number
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:25 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:25 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:34 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:34 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:50 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:62 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:70 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:72 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:74 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:76 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:91 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:93 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
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L:97 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:103 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:132 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:136 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:142 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:167 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
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L:173 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
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L:177 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:179 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6